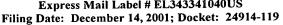
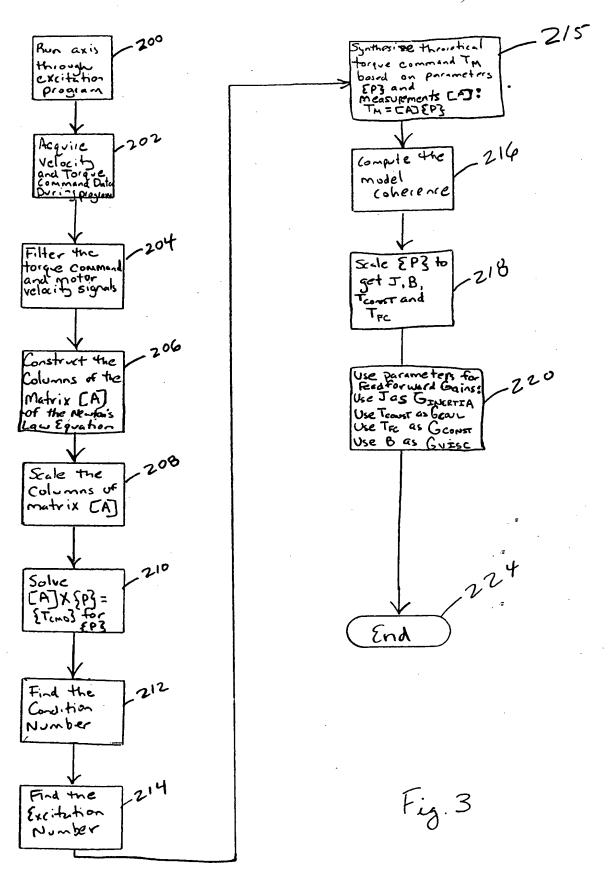


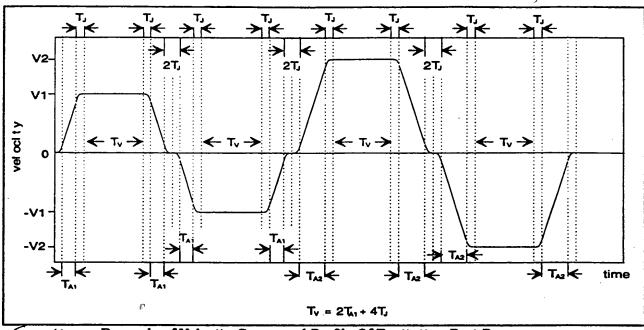
F19, 2

le: Method and Apparatus for Tuning Compens Inventor: Steven J. Yutkowitz

Express Mail Label # EL343341040US





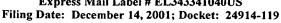


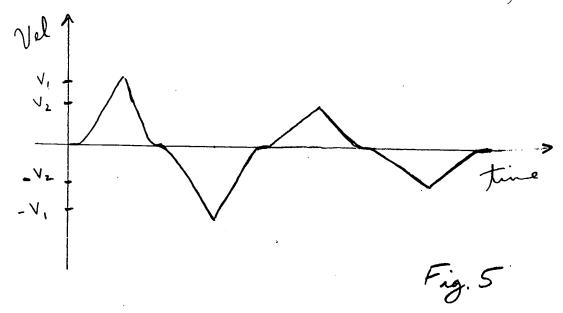
Example of Velocity Command Profile Of Excitation Part Program

The state of the s

ļļ.

N ļ.t e: Method and Apparatus for Tuning Compensation arail Inventor: Steven J. Yutkowitz
Express Mail Label # EL343341040US
Filing Date: December 14, 2001; Docket: 24914-119 arameters

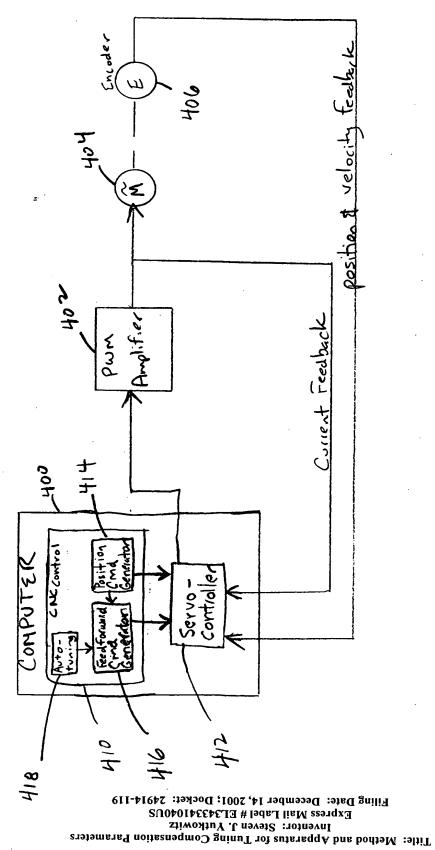




Title: Method and A atus for Tuning Compensation Parameters Inventor: Steven J. Yutkowitz 248 Express Mail Label # EL343341040US Filing Date: December 14, 2001; Docket: 24914-119 Start (não) Receive set-up parameters: 250 start position -end position -max feedrate -min feedrate -other axes positi Constant Vel. Time Ty for all moves 254 More other axes to start positions 256 Cakulate Feedrate V_{N} 264 n = n+l n=3 258 Calculate length of move Ln 208 Move axis according to motion blocks generated Calculate 260 Doctration X Acquire System Operation notion Generate: notion black from Xn & Cokulate Va

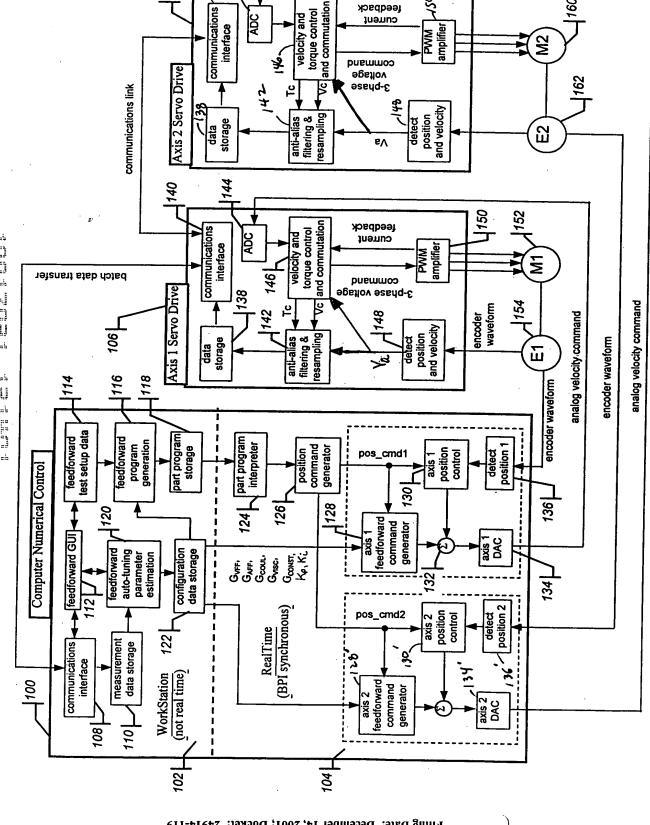
Foodforward Parameters and Display

FIG. 6



ابر ا من

Filing Date: December 14, 2001; Docket: 24914-119 Express Mail Label # EL343341040US Inventor: Steven J. Yutkowitz Title: Method and Apparatus for Tuning Compensation Parameters



150

feedback

44

Title: Method and Apparatus for Tuning Cor Inventor: Steven J. Yutkowitz Express Mail Label # EL343341040US Filing Date: December 14, 2001; Docket: 24914-119 ntion Parameters

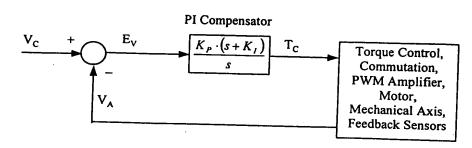


Fig. 9

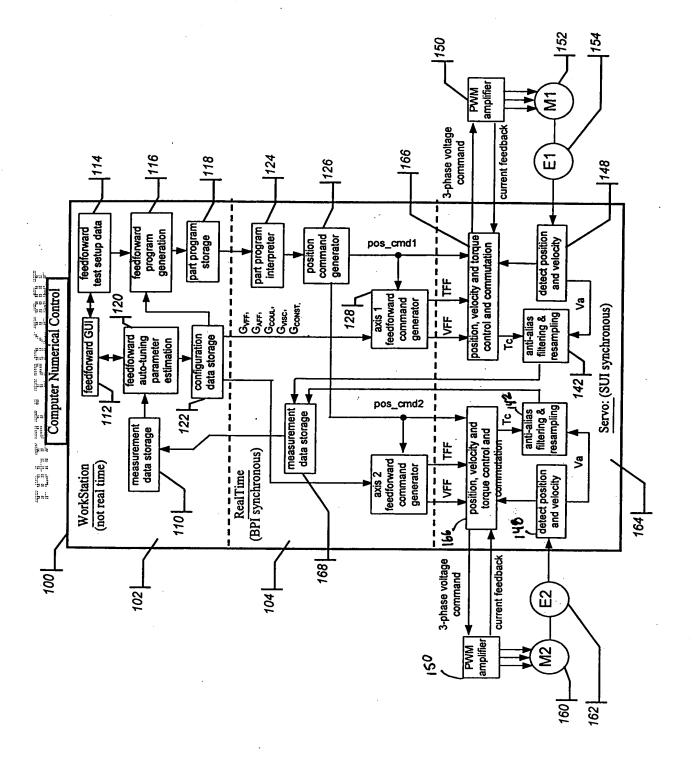


Fig. 10

ie: Method and Apparatus for Tuning Compensation—ara Inventor: Steven J. Yutkowitz Express Mail Label # EL343341040US Filing Date: December 14, 2001; Docket: 24914-119

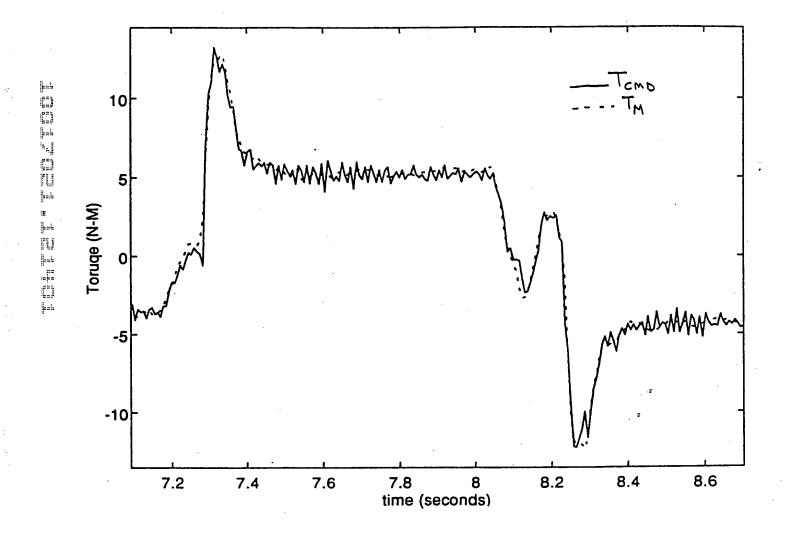


FIG. 11

Filing Date: December 14, 2001; Docket: 24914-119

rameters

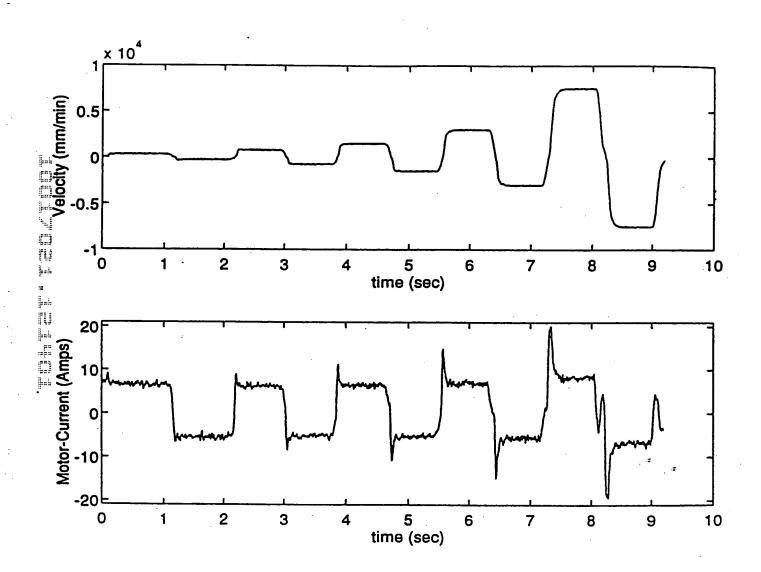


Fig. 12

Express Mail Label # EL343341040US Filing Date: December 14, 2001; Docket: 24914-119 meters

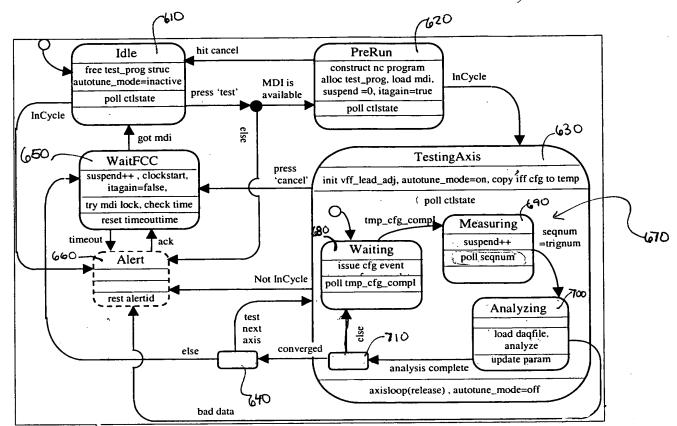


FIG. 14

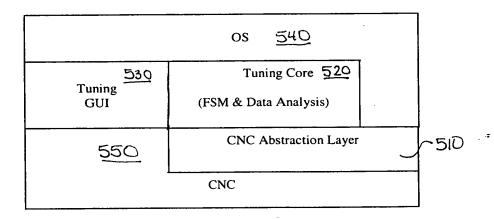


FIG. 13

600

>1 · · · ·